

## [54] MICRONIZED AEROSOL STEROIDS

[75] Inventors: **Peter B. Cook**, Standon; **John H. Hunt**, Theydon Bois, both of England

[73] Assignee: **Allen & Hanburys Limited**, London, England

[\*] Notice: The portion of the term of this patent subsequent to Aug. 23, 1994 has been disclaimed.

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**Related U.S. Application Data**

[60] Division of Ser. No. 703,821, Jul. 9, 1976, Pat. No. 4,044,126, which is a continuation of Ser. No. 352,187, Apr. 18, 1973, abandoned.

[30] **Foreign Application Priority Data**

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[52] U.S. Cl. .... **424/243; 260/397.45**

[58] Field of Search ..... 260/397.45; 424/243

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*Primary Examiner*—Henry R. Jiles  
*Assistant Examiner*—Robert C. Whittenbaugh  
*Attorney, Agent, or Firm*—Bacon & Thomas

[57] **ABSTRACT**

An antiinflammatory steroid exhibiting a tendency to crystal growth in suspension in aerosol propellants is contacted with a halogenated hydrocarbon to form a crystalline solvate, which, after removal of some or all of the propellant from the crystals, is reduced to a particle size permitting inhalation into the human bronchial system when dispersed as an aerosol, the micronized crystalline solvate not thereafter exhibiting crystal growth in the aerosol propellant. The solvate is a new composition of matter which has been characterized by I.R. spectra and the aerosol formulation prepared therefrom has valuable therapeutic properties, particularly in the treatment of asthma.

10 Claims, 5 Drawing Figures

